ActivBoard 100 Mount System

Product Specifications

INTERACTIVE WHITEBOARD SYSTEM

The ActivBoard 100 Mount System is a perfect starting point for building your ActivClassroom. The System combines an ActivBoard 100, available in 64" and 78"* versions, with a Projector Mount, and a Short Throw or Extreme Short Throw projector (for 78" only). Single-User Teacher (ActivPen) technology, with option to upgrade to Dual-User functionality, creates exciting, and interactive, teaching and learning opportunities. * Available in selected markets.

ACTIVBOARD GENERAL SPECIFICATIONS

Internal Resolution	2730 points (lines) per inch
Output Resolution	200 points (lines) per inch
Tracking Rate	200 inches per second providing a fast response to pen commands
Output Rate	120 coordinate pairs per second
User Input	Cordless battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen)
Digitizing Technology	Passive Electromagnetic
Power Requirement	Mains Powered: 18V Power Supply Unit
Connection to Computer	1 x 5m USB data cable supplied
Screen Surface	Low Glare Melamine
Screen Format	4:3
Certifications	UL, CE, FCC
Packed Contents List	ActivBoard, 2 ActivPens (Teacher), 5m (16ft) USB cable, Installation Guide, Access to ActivInspire Personal Edition via download from Promethean Planet (Also available on DVD on request).

ActivBoard 100 Mount System with PRM-30 or PRM-35 projector

ActivBoard 100 Mount System with EST-P1 projector

ACTIVBOARD SPECIFICATIONS BY MODEL

Model	**ActivBoard 164**	**ActivBoard 178**
Activboard Size	64in	78in
Surface Area Resolution	10000 x 8000	12800 x 9200
Active Area Dimension	1271mm x 1012mm (50in x 40in)	1614mm x 1175mm (64in x 46in)
Active Area Diagonal	1617mm (63.6in)	1988mm (78.3in)
Actual Image Diagonal (4:3)	1590mm (62.6in)	1959mm (77.1in)
Overall Dimension	1426mm x 1166mm (56.2in x 45.9in)	1768mm x 1329mm (69.6in x 52.3in)
Board Weight	18kg (39.7lb)	25kg (55.1lb)
Packed Weight	30kg (66.1lb)	42kg (92.6lb)
Packed Dimensions	1580mm x 1330mm x 110mm (62.6in x 52.6in x 4.3in)	1920mm x 1500mm x 110mm (75.6in x 58.9in x 4.3in)

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PROJECTOR MOUNT SPECIFICATIONS

Board Size	Accommodates ActivBoard 164 and 178	Accommodates ActivBoard 178
Projector Mount	For use with Short Throw Projector PRM-30, PRM-35 Aluminium Arm extends 1415mm (55.7in) from the wall	For use with Extreme Short Throw Projector EST-1 Aluminium Arm extends 485mm (19.1in) from the wall
Room Height	Minimum room height 2400mm (94.5in)	Minimum room height 2400mm (94.5in)
Power	Power Outlets required for the projector, computer and ActivBoard	Power Outlets required for the projector, computer and ActivBoard
Weight (approx.)	Frame only: Approx. 9.9kg (22lb) excluding projector and cabling	Frame only: Approx. 8.8kg (22lb) excluding projector and cabling
Cable Management	Cables directed through the projector mount, mounting plate and behind the ActivBoard	Cables directed through the projector mount, mounting plate and behind the ActivBoard
Pack Weights & Dimensions	**Box 1 of 1:** 11.9kg (26.3lb) Dimensions: 1430mm x 325mm x 100mm (56.3in x 12.8in x 3.9in)	**Box 1 of 1:** 9.9kg (21.9lb) Dimensions: 715mm x 320mm x 120mm (28.1in x 12.6in x 4.7in)
Packed Contents List	Wall Plate, Cover, Projector Mount and Mounting Plate, VGA Cable plus Fixings	Wall Plate, Cover, Projector Mount and Mounting Plate, VGA Cable plus Fixings

PROJECTOR SPECIFICATIONS

Model	**PRM-30** (LCD)	**PRM-35** (DLP)	**EST-P1** (DLP)
Native Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Compressed Resolution	up to 1080i	up to 1080i	up to 1080i
Typical Colours	16.77 million colours	16.77 million colours	16.77 million colours
Brightness (ANSI lumens)	1900lm (normal), 1500lm (normal 2), 2500lm (high)	2100 ANSI (normal) 2500 ANSI (high)	2200 ANSI (normal) 2500 ANSI (high)
Contrast Ratio	500:1	2000:1	2000:1
Noise Level	29dB (normal) 36dB (high brightness mode)	32dB (normal) 36dB (high)	28dB (normal) 32dB (high brightness mode)
Dimensions (w x d x h)	382mm x 430mm x 129mm (15in x 16.9in x 5in)	306mm x 275mm x 97mm (12in x 3.8in x 10.1in)	354mm x 319mm x 157mm (13.9in x 12.6in x 6.1in) not including lens 354mm x 411mm x 219mm (13.9in x 16.1in x 8.6in) including lens
Weight	5.7kg (12.5lb)	2.7kg (6lb)	9kg (19.8lb)

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PROJECTOR SPECIFICATIONS (CONTINUED)

Aspect Ratio	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9
Power Consumption	317W (<0.8W standby)	230W (<1W standby)	290W (<1W standby)
Device Type	LCD Technology	DLP Technology	DLP Technology
Focus	Manual Focus	Manual Focus	Manual Focus
Zoom	Digital Zoom	Digital Zoom	N/A
Focal Length	Fixed	F=2.86	F=2.4
Projection Distance	0.54m ~ 1.22m (21.3in ~ 48in)	0.54m ~ 1.22m (21.3in ~ 48in)	0.39m ~ 0.56m (15in ~ 22in)
Projection Screen Size	1.27m ~ 2.79m (50in ~110in)	1.27m ~ 2.79m (50in ~110in)	1.98m ~2.79m (78in ~ 110in)
Lamp Type	230W lamp	230W lamp	220W lamp
Lamp Life	4000 hrs (normal), 3000 hrs (high)	6000hrs (normal), 4000hrs (high)	6000hrs (normal), 4000hrs (high)
Keystone Correction	Vertical: max ±20°	Vertical: max ±15°	Vertical: max ±15°
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)
Power Supply Voltage	100 ~ 240V AC, 50/60Hz	100 ~ 240V AC, 50/60Hz	100 - 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz	15Hz ~ 90kHz	15Hz ~ 90kHz
Vertical Scan Rate	50Hz ~ 85Hz	50Hz ~ 85Hz	43Hz ~ 85Hz
Computer Compatibility	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)
Video Compatibility	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)
Inputs/Outputs	D-sub 15 (RGB) x 1 D-sub 15 (RGB) selectable x 1 HDMI (Digital RGB) x 1 S-Video x 1 Composite Video (RCA) x 1 RCA (white/red) x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1 Stereo mini-jack x 1	D-sub 15 (RGB) x 2 D-sub 15 (Monitor out) x 1 HDMI V.1.3 only for Video x 1 S-Video (Mini DIN 4-pin) x 1 Composite Video (RCA) x 1 USB control x1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1	D-sub 15 (RGB) x 2 HDMI V1.3 x 1 S-Video x 1 Composite Video (RCA) x 1 USB control x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1
Colour	Silver	Silver	Silver

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PROJECTOR SPECIFICATIONS (CONTINUED)

Security	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock, Security cable bar option, pin code security, remote control operated only
On-screen Menu	Arabic, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Kazak, Korean, Norwegian, Polish, Portuguese, Portuguese (Brazilian), Romanian, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Advanced Features	Long Life Filter – 4000hrs Cable Management Cover Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption
Packed Contents List	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner's manual (CD - ROM & Quick Start Guide)

MINIMUM SYSTEM REQUIREMENTS

Operating Systems	Windows XP SP2 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 9.04, 9.10; Debian
PC	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk Space
Mac	Macintosh Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space

INSTALLATION

ActivBoard 100 Mount System

ActivBoard Mount System is suitable for self-installation. Promethean recommends that all Mount Systems should be installed by a Certified Promethean Installer. Please visit www.PrometheanWorld.com/ActivCare/installationtc. The Projector Mount and the ActivBoard mount directly to the wall. Refer to the User Manual for guidelines on fixing points. Components supplied and minimum specifications stated have been tested and are required for optimal performance. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.Prometheankb.com for more information. Operation of the ActivBoard 100 requires installation of the driver included with the ActivInspire software and one open USB computer port. Specifications and access to ActivInspire software is available at www.PrometheanPlanet.com/ActivInspire. User with administrator/privileged access rights required to install driver and software

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UPGRADE AND ACCESSORY OPTIONS

Wireless Upgrade Pack 100	Allows the ActivBoard 100 to connect to the computer wirelessly; includes an ActivHub (2.4 GHz), PSU (Power Supply Unit) and Quick Start Guide
Cable Wall Box	Connectivity box with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-Video, composite video plus auxiliary audio jack inputs, Cat 5e Ethernet input. Allows additional flexibility during installation, where the computer is located further away from the System
ActivArena 50 Upgrade Pack	Allows 2 users to work on the ActivBoard simultaneously; includes 2 Teacher and 2 Student ActivPens, ActivArena Resources CD, ActivArena paper license, and ActivArena Quick Start Guide (requires ActivInspire 1.5 Professional Edition)
ActivWand 50	Wireless, battery-free and extended reach input device for the ActivBoard – 540mm (21.2in) in length; "left click", cursor and hover, just like a mouse
ActivInspire Professional Edition	ActivInspire Professional Edition, available as a download, includes additional features such as Question Manager and new Maths Tools. www.PrometheanPlanet.com/ActivInspire

WARRANTY AND SUPPORT†

Warranty	For Promethean Warranty Information please visit: www.PrometheanWorld.com/ActivCare
Support	Online Support for all Promethean products available from: www.Prometheankb.com

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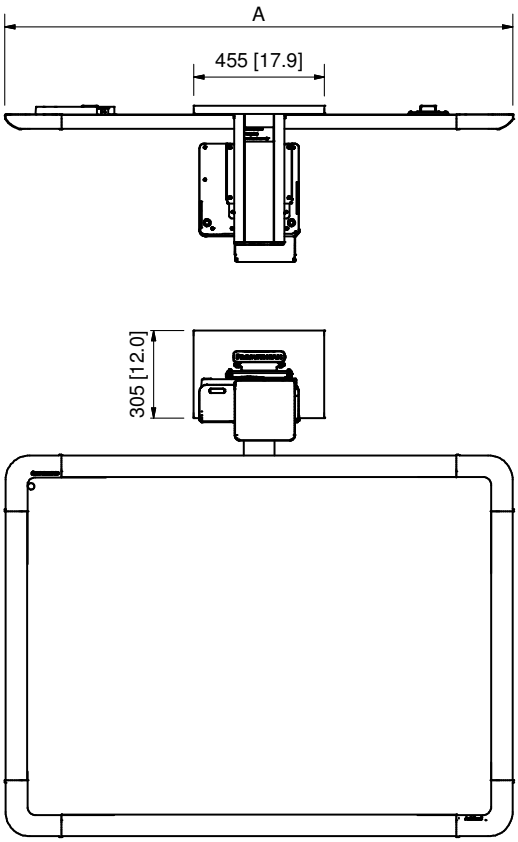
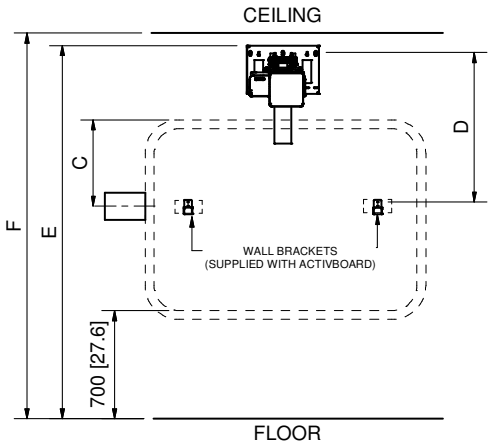
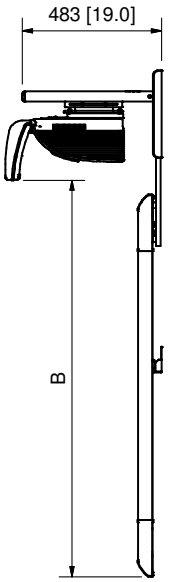
TECHNICAL DRAWING SPECIFICATIONS

ActivBoard 100 Mount System with EST-P1 projector

DIMENSION	178
ACTIVBOARD 'A'	1768 [69.6]
PROJECTOR 'B'	1379 [54.3]
WALL BOX 'C' ±150 [6]	660 [26.0]
FIXING HEIGHT 'D'	920 [36.2]
TOTAL HEIGHT 'E'	2380 [93.7]
MIN ROOM HEIGHT 'F'	2390 [94.1]







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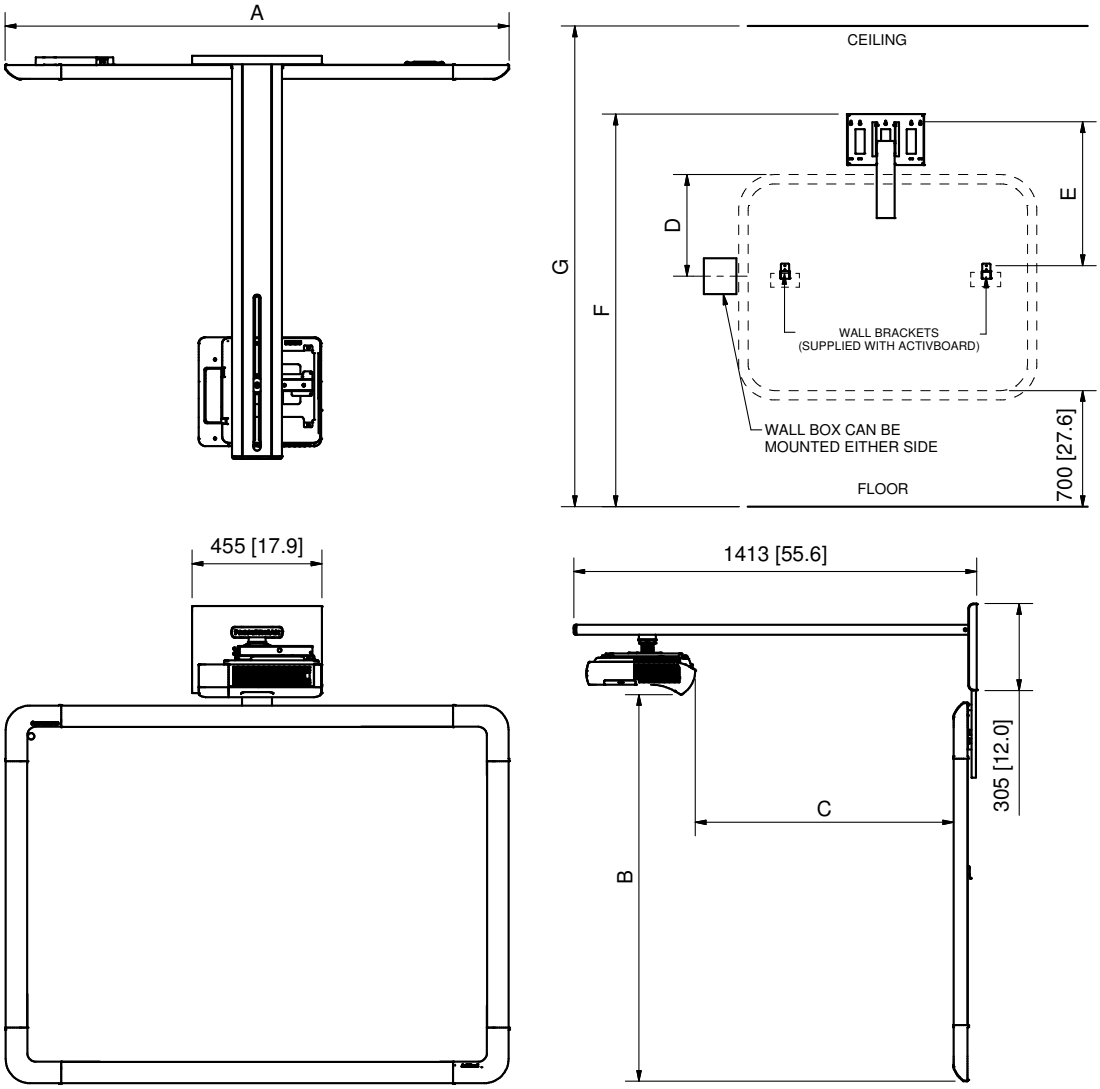
TECHNICAL DRAWING SPECIFICATIONS (CONTINUED)

ActivBoard 100 Mount System with PRM-30 or PRM-35 projector

	178/PRM30	164/PRM30	178/PRM35	164/PRM35
ACTIVBOARD 'A'	1768 [69.6]	1426 [56.1]	1768 [69.6]	1426 [56.1]
PROJECTOR 'B'	1357 [53.4]	1120 [44.1]	1362 [53.6]	1135 [44.7]
THROW DISTANCE 'C' ±10 [0.4]	906 [35.7]	620 [24.4]	985 [38.8]	787 [31.0]
WALL BOX 'D' ±150 [6]	660 [26.0]	590 [23.2]	660 [26.0]	590 [23.2]
FIXING HEIGHT 'E'	845 [33.3]	610 [24.0]	810 [31.9]	580 [22.8]
TOTAL HEIGHT 'F'	2295 [90.4]	2060 [81.1]	2260 [89.0]	2030 [80.0]
MIN ROOM HEIGHT 'G'	2305 [90.7]	2070 [81.5]	2270 [89.4]	2040 [80.3]



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